

# THE CURRENT STATE OF PKI

PKI use cases continue to expand in areas like cloud, IoT, digital signatures and citizen identities. Let's better understand what this diversification means for security environments by taking a look at some of the current trends in this space.<sup>1</sup>



## THE TRENDS

### PKI deployment is diversifying

The previous answer to PKI's diversification and scale has been to add another CA.



### How is your PKI deployed?



**7** Avg. number of separate CAs used by organizations with internal CAs



This sprawl has led to many challenges ...



## THE CHALLENGES

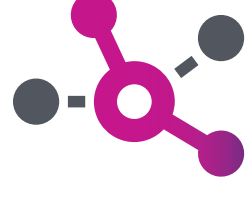
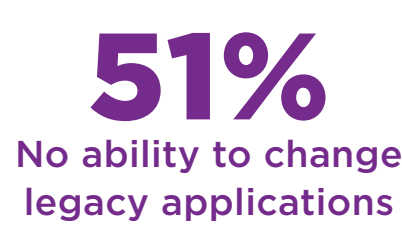
### Managing and maintaining PKI

Lack of visibility, knowledge, skills, and resources make it challenging for organizations to maintain their security posture and infrastructure as they have in the past.



### Top challenges in enabling applications to use PKI

Top 4 answers:



### Top challenges in deploying and managing PKI

Top 3 answers:



## THE SOLUTION

### Entrust PKI as a Service

Entrust PKI as a Service supports several pre-defined use cases through turnkey approaches, simplifying PKI with a secure solution that is quick and simple to deploy, scales on-demand, and runs where you do business.



#### Speed

- Deploys and expands in minutes
- A quick solution to secure your business use case



#### Scale

- Grows as required with nearly limitless capacity
- Highly performant, cloud-native system



#### Simplicity

- Simple to deploy, adaptable
- Entrust manages the PKI so you can focus on other business needs



#### Security

- Dedicated CAs
- Keys protected in our data centers, secured by Entrust nShield® HSMs

## DID YOU KNOW ...

Entrust released the world's first commercially available PKI in 1994.

For more information, go to the [Entrust PKI as a Service information page](#)

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SECURING A WORLD IN MOTION

1. All statistics are from the Ponemon Institute 2020 Global PKI and IoT Trends Study